SEQUENCE LISTING

<110> Altosaar, Illimar
Sardana, Ravinder
Dudani, Aail
Ganz, Peter
Tackaberry, Eilleen

<120> Production of GM-CSF in Plants

<130> 08-898901US

<140> Not Yet Known
<141> 2003-11-26

<150> Canada 2,410,702
<151> 2002-11-26

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<170> PatentIn version 3.1

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atg gcg cca gcg cgc agc ccg agc ccg tcc acc cag ccg tgg gag cac       99
Met Ala Pro Ala Arg Ser Pro Ser Pro Ser Thr Gln Pro Trp Glu His
15                  20                  25                  30

gtg aac gcg atc cag gag gcc cgc agg ctc ctc aac ctc tcc cgc gac      147
Val Asn Ala Ile Gln Glu Ala Arg Arg Leu Leu Asn Leu Ser Arg Asp
                35                  40                  45

acc gcc gcc gag atg aac gag acc gtg gag gtg atc tcc gag atg ttc      195
Thr Ala Ala Glu Met Asn Glu Thr Val Glu Val Ile Ser Glu Met Phe
            50                  55                  60

gat ctc cag gag ccg acc tgc ctc cag acc cgc ctc gag ctg tac aag      243
Asp Leu Gln Glu Pro Thr Cys Leu Gln Thr Arg Leu Glu Leu Tyr Lys
        65                  70                  75

cag ggc ctc cgc ggc agc ctc acc aag ctc aag ggc ccg ctc acc atg      291
Gln Gly Leu Arg Gly Ser Leu Thr Lys Leu Lys Gly Pro Leu Thr Met
    80                  85                  90
atg gcg tcc cac tac aag cag cac tgc cca ccg acc ccg gag acc tcc      339
Met Ala Ser His Tyr Lys Gln His Cys Pro Pro Thr Pro Glu Thr Ser
95                  100                 105                 110
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tgc gcc acc cag atc atc acc ttc gag agc ttc aag gag aac ctc aag      387
Cys Ala Thr Gln Ile Ile Thr Phe Glu Ser Phe Lys Glu Asn Leu Lys
                115                 120                 125

gac ttc ctc ctc gtg atc ccg ttc gac tgc tgg gag ccg gtg cag gag      435
Asp Phe Leu Leu Val Ile Pro Phe Asp Cys Trp Glu Pro Val Gln Glu
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Ala Ile Gln Glu Ala Arg Arg Leu Leu Asn Leu Ser Arg Asp Thr Ala
        35                  40                  45

Ala Glu Met Asn Glu Thr Val Glu Val Ile Ser Glu Met Phe Asp Leu
    50                  55                  60

Gln Glu Pro Thr Cys Leu Gln Thr Arg Leu Glu Leu Tyr Lys Gln Gly
65                  70                  75                  80

Leu Arg Gly Ser Leu Thr Lys Leu Lys Gly Pro Leu Thr Met Met Ala
                85                  90                  95

Ser His Tyr Lys Gln His Cys Pro Pro Thr Pro Glu Thr Ser Cys Ala
            100                 105                 110

Thr Gln Ile Ile Thr Phe Glu Ser Phe Lys Glu Asn Leu Lys Asp Phe
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Pro Ala Arg Ser Pro Ser Pro Ser Thr Gln Pro Trp Glu His Val Asn
20 25 30

gcc atc cag gag gcc cgg cgt ctc ctg aac ctg agt aga gac act gct 144
Ala Ile Gln Glu Ala Arg Arg Leu Leu Asn Leu Ser Arg Asp Thr Ala
35 40 45

gct gag atg aat gaa aca gta gaa gtg ata tca gaa atg ttt gac ctc 192
Ala Glu Met Asn Glu Thr Val Glu Val Ile Ser Glu Met Phe Asp Leu
50 55 60

cag gag ccg act tgc cta cag acc cgc ctg gag ctg tac aag cag ggc 240
Gln Glu Pro Thr Cys Leu Gln Thr Arg Leu Glu Leu Tyr Lys Gln Gly
65 70 75 80

ctg cgg ggc agc ctc acc aag ctc aag ggc ccc ttg acc atg atg gcc 288
Leu Arg Gly Ser Leu Thr Lys Leu Lys Gly Pro Leu Thr Met Met Ala
85 90 95

agc cac tac aag cag cac tgc cct cca acc ccg gaa act tcc tgt gca 336
Ser His Tyr Lys Gln His Cys Pro Pro Thr Pro Glu Thr Ser Cys Ala
100 105 110

acc cag att atc acc ttt gaa agt ttc aaa gag aac ctg aag gac ttc 384
Thr Gln Ile Ile Thr Phe Glu Ser Phe Lys Glu Asn Leu Lys Asp Phe
115 120 125

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Ala Ile Gln Glu Ala Arg Arg Leu Leu Asn Leu Ser Arg Asp Thr Ala

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        35                  40                  45

Ala Glu Met Asn Glu Thr Val Glu Val Ile Ser Glu Met Phe Asp Leu
    50                  55                  60

Gln Glu Pro Thr Cys Leu Gln Thr Arg Leu Glu Leu Tyr Lys Gln Gly
65                  70                  75                  80

Leu Arg Gly Ser Leu Thr Lys Leu Lys Gly Pro Leu Thr Met Met Ala
                85                  90                  95

Ser His Tyr Lys Gln His Cys Pro Pro Thr Pro Glu Thr Ser Cys Ala
            100                 105                 110

Thr Gln Ile Ile Thr Phe Glu Ser Phe Lys Glu Asn Leu Lys Asp Phe
        115                 120                 125

Leu Leu Val Ile Pro Phe Asp Cys Trp Glu Pro Val Gln Glu
    130                 135                 140
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